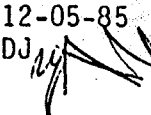


M A T E R I A L S A F E T Y D A T A S H E E T

SECTION I

U

PRODUCT NAME:	PR-1422 A-2, B-2, Part A	MSDS IDENTIFICATION NO:	MS3102C00
DESCRIPTION:	Inorganic Dichromate Solution.	DATE OF ISSUE:	12-05-85
MANUFACTURER:	Products Research & Chemical Corporation	PREPARED BY:	DJ 
EMERGENCY TELEPHONE:	5430 San Fernando Road, P.O. Box 1800, Glendale, CA 91209 (818) 240-2060		

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	COMMON NAME	CAS NO	OSHA PEL	CALOSHA PEL	ACGIH TLV
Dimethyl Acetamide	DMAC	127-19-5	10 ppm	10 ppm	10 ppm
Dimethyl Formamide	DMF	68-12-2	10 ppm	10 ppm	10 ppm
Calcium Dichromate	Calcium Dichromate	14307-33-6	0.5 mg/M ³	0.05 mg/M ³	0.5 mg/M ³
Magnesium Dichromate	Magnesium Dichromate	13423-61-5	0.5 mg/M ³	0.05 mg/M ³	0.5 mg/M ³
The following ingredients are listed as required by 29CFR 1910.1200 because they appear on an airborne contaminants list. However, in this product they are in a fully encapsulated form and therefore are not hazardous to users under normal circumstances.					
Magnesium Aluminum Silicate	Clay	1343-90-04	15 mg/M ³	10 mg/M ³	10 mg/M ³
Aluminum Silicate	Clay	1302-76-7	15 mg/M ³	10 mg/M ³	10 mg/M ³
Carbon Black	Carbon Black	1333-86-4	3.5 mg/M ³	3.5 mg/M ³	3.5 mg/M ³
Silicon Dioxide	Silica	7631-86-9	20 mppcf	20 mppcf	20 mppcf

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point, °F.:	Unk.	Specific Gravity:	1.45
Vapor Pressure, mm Hg:	Unk.	% Volatiles, by Vol:	41
Vapor Density:	Unk.	Evaporation Rate:	Unk.
Solubility in Water:	Complete.		

SECTION IV - PHYSICAL HAZARD INFORMATION

Flash Point:	Not flammable.	Flammable Limits:	Not flammable.
Extinguishing Media:	CO ₂ , dry chemical, foam, water fog.		
Spec. Fire Fighting Proc:	Use complete personal protection.		
Unusual Fire Hazards:	None known.		
Stability:	Stable.		
Incompatibility:	Easily oxidizable materials.		
Decomposition products:	Oxides of carbon and nitrogen; chromium compounds.		
Hazardous polymerization:	Will not occur.		

SECTION V - HEALTH HAZARD INFORMATION

EFFECTS OF OVER-EXPOSURE:

Eyes:	Irritation. May cause eye damage.
Skin:	Irritation. Prolonged exposure may produce allergic skin rash.
Inhalation:	(Mist or dust of dried material) irritation of mucous membranes. May cause broncho-asthma. (Vapor) irritation, dizziness, fatigue, sleepiness.
Ingestion:	Can irritate stomach and intestines. Can cause nausea, vomiting and diarrhea. Large amounts can cause liver and kidney damage.

SECTION VI - EMERGENCY FIRST AID PROCEDURES

Eyes:	Flush with luke warm water for 15 minutes, consult physician.
Skin:	Wash with soap and water. If symptoms persist, consult a physician.
Inhalation:	Remove to fresh air. If symptoms are present consult a physician.
Ingestion:	Consult a physician.

SECTION VII - SUGGESTED CONTROL PROCEDURES

Ventilation:	General ventilation to maintain vapor below PEL.
Skin Protection:	Solvent resistant gloves.
Eye Protection:	Chemical goggles or full-face shield.

SECTION VIII - SPILL OR LEAKAGE PROCEDURES

Release or Spillage:	Dike and cover the spill with a non-oxidizable absorbant. Scoop into container. Sprinkle sodium thiosulfate on residue. Work into residue. Scoop into disposal container. Clean area with water.
Waste Disposal:	EPA Waste No. D-007. Dispose of spillage in compliance with Federal and State regulations.

SECTION IX - SPECIAL PRECAUTIONS

Wash thoroughly after handling and before smoking or eating. Avoid ingestion.

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION I

U

PRODUCT NAME:	PR-1422 B-2, Part B	MSDS IDENTIFICATION NO:	MS3116B01
DESCRIPTION:	Polysulfide rubber compound.	DATE OF ISSUE:	02-12-87
MANUFACTURER:	Products Research & Chemical Corporation	REPLACES:	MS3116B00
EMERGENCY TELEPHONE:	5430 San Fernando Road, P.O. Box 1800, Glendale, CA 91209 (818) 240-2060	PREPARED BY:	LR <i>[Signature]</i>

SECTION II - HAZARDOUS INGREDIENTS

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>CAS NO</u>	<u>OSHA PEL</u>	<u>CALOSHA PEL</u>	<u>ACGIH TLV</u>
4,4'-Isopropylidene phenol epichlorohydrin polymer	epoxy resin	25068-38-6	Not est.	Not est.	Not est.
Phenol polymer with formaldehyde	phenolic resin	9003-35-4	Not est.	Not est.	Not est.

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point, °F.:	Not applicable.	Specific Gravity:	1.38
Vapor Pressure, mm Hg:	Not applicable.	% Volatiles, by Vol:	None
Vapor Density:	Not applicable.	Evaporation Rate:	Unk.
Solubility in Water:	Negligible.		

SECTION IV - PHYSICAL HAZARD INFORMATION

Flash Point:	>200°F, PMCC	Flammable Limits:	Not applicable.
Extinguishing Media:	CO ₂ , dry chemical, water spray.		
Spec. Fire Fighting Proc:	Use air-supplied respirator.		
Unusual Fire Hazards:	None known.		
Stability:	Stable.		
Incompatibility:	None known.		
Decomposition products:	Oxides of carbon, SO ₂ , traces of H ₂ S.		
Hazardous polymerization:	Will not occur.		

SECTION V - HEALTH HAZARD INFORMATION

EFFECTS OF OVER-EXPOSURE:

Eyes:	Irritation. Possible eye damage.
Skin:	Local irritation. May produce allergic skin rash in sensitized individuals.
Inhalation:	Nose and throat irritation.
Ingestion:	May cause nausea, vomiting, and liver and kidney damage.

SECTION VI - EMERGENCY FIRST AID PROCEDURES

Eyes:	Flush with luke warm water for 15 minutes. If symptoms persist, consult a physician.
Skin:	Wash with soap and water. If symptoms persist, consult a physician.
Inhalation:	Remove to fresh air. If symptoms are present, consult a physician.
Ingestion:	Consult a physician.

SECTION VII - SUGGESTED CONTROL PROCEDURES

Ventilation:	General ventilation.
Skin Protection:	Solvent resistant gloves.
Eye Protection:	Safety glasses.

MATERIAL SAFETY DATA SHEET: PR-1422 B-2, Part B
MSDS IDENTIFICATION NO: MS3116B01

Page 3

SECTION VIII - SPILL OR LEAKAGE PROCEDURES

Release or Spillage:	Scoop into container. Clean residue with 1,1,1-trichloroethane.
Waste Disposal:	Not a hazardous waste under U.S. EPA regulations. Dispose of in compliance with State and local regulations.

SECTION IX - SPECIAL PRECAUTIONS

None.

The information provided herein is, to the best of the manufacturer's knowledge, current, accurate and complete, based on information reasonably available.